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August 15, 2014

VIA ELECTRONIC & US MAIL

Ms. Jennifer LaPoma ATTN: Lower Passaic River Remedial Project Manager Emergency and Remedial Response Division U.S. EPA, Region 2 290 Broadway, 20th Floor New York, New York 10007

Re: Monthly Progress Report No. 23 – July 2014 Lower Passaic River Study Area (LPRSA) River Mile 10.9 Removal Action CERCLA Docket No. 02-2012-2015

Dear Ms. LaPoma:

de maximis, inc. is submitting this Monthly Progress Report for the above-captioned project on behalf of the Cooperating Parties Group (CPG) pursuant to the Administrative Settlement Agreement and Order on Consent for Removal Action (Settlement Agreement or AOC). The Progress Report satisfies the reporting requirements of Paragraph 28 of the River Mile (RM) 10.9 Settlement Agreement.

(a) Actions which have been taken to comply with this Settlement Agreement during the month of July, 2014.

Meetings/Conference Calls

 On July 21, EPA and CPG met at Riverside Park to further discuss the e-mail dated July 9, 2014 from de maximis, inc. to EPA. The e-mail discusses the CPGs response to an earlier meeting with EPA related to the armor stone concerns voiced by the boating community. Based upon the discussions of the meeting EPA will respond to the e-mail with additional comments.

Correspondence

- On July 8, EPA requested that CPG address questions brought up by EPA during a June 31 teleconference related to the RM 10.9 Removal Area cap. The Passaic boating community has raised concerns with EPA about the elevation of armor stone used on the cap. EPA asked CPG to develop a plan to address the boating community concerns by close of business July 9, 2014.
- On July 9, CPG provided EPA with an action plan to address the concerns expressed to EPA by the boating community. The proposed action plan recommended the following:
 - o Identify and locate elevated rock areas with hand held GPS unit
 - o Elevated location would be leveled using a mechanical means
 - Evaluation of potential alternative capping materials
 - o Propose the use of alternative armor layer cover material
 - CPG will coordinate with boating community about the installation of buoys.



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- On July 10, EPA requested that CPG meet at RM 10.9 Removal Area the week of July 21 to further discuss the CPG's July 9 proposed action plan.
- On July 10, CPG requested that EPA meet at RM 10.9 Removal Area on July 21 at noon.
- On July 15, CPG provided EPA with the RM 10.9 Removal Action Progress Report No. 22 for June 2014.
- On July 23, CDM-Smith contacted CPG with a question related to the percentage of area where hardpan rock outcrops were encountered during the RM 10.9 Project.
- On July 23, CPG responded to CDM-Smith that hardpan rock outcrops were encountered approximately 5% of the RM 10.9 Project area.
- On July 29, CPG confirmed with EPA that locations of elevated rock on the RM 10.9 Removal Area cap would be located with a GPS unit on Monday August 11.
- On July 30, EPA responded that they would be at RM 10.9 Removal Area on August 11 at approximately 3:30 PM to observe the GPS survey of the elevated rocks.
- On July 31, CPG asked EPA to confirm the due date for the RM 10.9 Removal Action Final Report as August 27, 2014. EPA confirmed that it was in agreement with the August 27, 2014 due date.

Work

- No field work was conducted during July 2014.
- CPG continued drafting a Final Report for the Removal Action.

(b) Results of Sampling and Tests

- None
- (c) Work planned for the next two months with schedules relating to the overall project schedule for design completion and construction
 - CPG will complete the draft RM 10.9 Removal Action Final Report.
- (d) <u>Problems encountered and anticipated problems, actual or anticipated delays, and solutions developed and implemented to address actual or anticipated problems or delays</u>
 - The CPG believes that only physical monitoring is sufficient and required to monitor the effectiveness and integrity of the cap. If the RM 10.9 cap is similar and consistent to that implemented as any final remedy for the LPRSA, then the need for long-term chemical monitoring for the cap should be determined as part of the overall LPRSA long-term monitoring plan and regular five-year reviews. This appears to be the rationale developed for

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the Hudson River and Onondaga Lake and should apply to the RM 10.9 Removal Action as well.

The RM 10.9 Removal Action was implemented to reduce the risk associated with the direct contact exposure to sediments by people due to elevated concentrations of COPCs in RM 10.9 surface sediments. The cap physically prevents direct contact to underlying sediment by river users. As an added benefit an active layer was included to further enhance the protectiveness of the cap. In the near term, the surface of the cap is likely to be recontaminated by sediment deposition which is likely to be in the low 100s of ppt of TCDD—two orders of magnitude less than the pre-dredge surface of the RM 10.9 Removal Area. The CPG does not agree with Region 2's rationale for an aggressive short-term chemical monitoring program of the RM 10.9 cap. It is unnecessary to evaluate the short-term effectiveness of the cap to chemically isolate COPCs when the primary goal of the Removal Action and the construction of the cap were to remove and reduce the direct contact risk due to the presence of elevated concentrations in the surface sediment.

On the Hudson River, Region 2 requires monitoring of the Phase 2 engineered caps for physical integrity and chemical isolation effectiveness. The chemical isolation effectiveness monitoring will occur in designated sentinel areas 10 years after completion of cap construction in those areas and then at 10-year intervals, or as soon as practical after a flood event exceeding the design recurrence interval for those caps. For Onondaga Lake, long-term monitoring of the cap includes routine physical and chemical monitoring which is anticipated to occur 5, 10, 20, and 30 years after construction begins. For the Lower Passaic River Study Area, EPA has required no chemical monitoring at the Lister Avenue Phase 1 Removal Action site. Region 2's requirements for the RM 10.9 Removal Area are completely inconsistent with the chemical monitoring requirements for frequency and schedule established at other Region 2 capping sites such as the Hudson River and Onondaga Lake.

The CPG provided comments to Region 2 on March 31, 2014 in response to the Region's January 24, 2014 comments on CPG's draft QAPP Worksheet 9 (dated January 22, 2014). Region 2 and the CPG have initiated dispute resolution to resolve the differences on the scope of the RM 10.9 Long Term Monitoring Plan. The CPG provided its concerns with the Region's proposed scope of long term monitoring on June 23, 2014.

The CPG strongly disagrees with the EPA's July 15, 2013 letter denying the Force Majeure condition outlined in CPG's June 29, 2013 letter. EPA's rationale for denial is inconsistent with terms and definitions in the AOC. Both the inoperability of the Bridge Street Bridge due to Hurricane Sandy and the repeated delays in the repaired motors being shipped and reinstalled - have been and continue to be clearly beyond the control of the CPG. Moreover, Hudson and Essex Counties failed to meet their obligations under Federal Regulations to properly maintain and operate their bridges and to provide proper notice of the status of their bridges to US Coast Guard, mariners and the general public. Finally, the CPG has voluntarily provided funds to the Counties to operate the bridges with no regulatory requirement to do so. As noted above it is the Counties' obligation to ensure that their bridges are operating and ready to open upon notice. CPG has addressed this issue in its July 31, 2013 letter to EPA and to which the Region has not responded.

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 There is still no resolution concerning the Tierra/Maxus/Occidental (TMO) UAO and their participation in the RM 10.9 Removal Action. As documented in the CPG's correspondence of July 27, 2012 and September 7, 2012, the offer from TMO was inadequate and provided no meaningful value to the RM 10.9 Removal Action.

If you have any questions, please contact Bill Potter, Rob Law or me at (908) 735-9315.

Very truly yours,

de maximis, inc.

John A. Rolfe

RM 10.9 Removal Action Project Coordinator

John A. Roy

cc: Pat Hick, EPA Office of Regional Counsel

William Hyatt, CPG Coordinating Counsel

Jay Nickerson, NJDEP Frank Tsang, CDM-Smith

Elizabeth Franklin, US Army Corps of Engineers

Reyhan Mehran, NOAA

Clay Stern, FWS